

ABSTRACT

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5 The present invention relates to a ultra high
molecular weight polyethylene molded article for
artificial joints having molecular orientation of crystal
orientation and to a method for preparing the same,
wherein the polyethylene molded article having a low
friction and excellent abrasion resistance is obtained by
irradiating a low dose of a radioactive ray to the ultra
10 high molecular weight polyethylene to introduce a small
amount of crosslinking points within molecular chains,
giving compression-deformation after melting at a high
temperature around the melting point thereof, and cooling
and solidifying.